

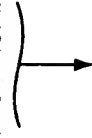


htir1 1 ---LLCTARTVGLIQLISCONAFACHSTES---SPFHTLPDGLHGLFPI---ISGCLQVIRH---PMTLDRSCSNEIGHIFLONRLGVEENSTALHPNTHGQIMDVCS---SANTVATIRMI 119
rtir1 1 ---MLFWAHLILSLQI---VYONAFSCORTES---SPESILPDEHGLFUSI---IGDCLQVIRH---PMTSODRPSNGHGHIFLQAMRFLVEEENSSALHPNEUGFELMDVCE---SANTVATIRMI 118
htir2 1 ---GPRMKTICSIEF---LJWVLAFF---AE---NSDMLPGDVLGGFISII---HANMGLVHINFLQVCK---EYEVKVLGNIMQAMRFAVEEENNDSSLPGLTGFLVDVQYI---SANTVATIRMI 115
rtir2 1 ---MPQARTICILSI---LJHVLPRGQIVE---NSDMLPGDVLGGFISII---HANMGLVHINFLQVCK---EYEVKVLGNIMQAMRFAVEEENNDSSLPGLTGFLVDVQYI---SANTVATIRMI 118
htir3 1 ---MLGPAVIGESIALIHPCTGAPLQIS---OOLRMGDVILGGFPI---CEPEAGLESIRPSSQIOT---PSSSGLLWAIAMVAVEEENNSLLPRLGGLHIFLTCSEPWAMKESIMFI 117
rtir3 1 ---MPGLAIGESIALIHPCTGAPLQIS---OOLRMGDVILGGFPI---CEPEAGLESIRPSSQIOT---PSSSGLLWAIAMVAVEEENNSLLPRLGGLHIFLTCSEPWAMKESIMFI 117
mGluR1 1 ---MVRLLLIFFPMIFLEWISIIIPRMDPKVILLAGASSOR---SVARMGDVITIGLESVLOPPAEKPE---RKG---ETIRQGIQORVEMEHTLIDKADPVLERNTHESIRDSOWHSSVALQESIDEI 123
htir1 120 ---SLPG---OHTFELQGLLASE---TVIAVIGPDSINRPAHTALISPLMAISTASSETISVROIPSHRPIA---DKYOVETWILHONFGVMTISLVGSSDII---COLGVONENQATGO 236
rtir1 119 ---ALQG---PREHETQOLRNHSS---KVAVIGPDSINRPAHTALISPLMAISTASSETISVROIPSHRPIA---DKYOVETWILHONFGVMTISLVGSSDII---COLGVONENQATGO 235
htir2 116 ---AHE---DMLHIDPDYSNITS---RAVAVIGPDSINRPAHTALISPLMAISTASSETISVROIPSHRPIA---DKYOVETWILHONFGVMTISLVGSSDII---COLGVONENQATGO 231
rtir2 119 ---AOD---DMLHIDPDYSNITS---RAVAVIGPDSINRPAHTALISPLMAISTASSETISVROIPSHRPIA---DKYOVETWILHONFGVMTISLVGSSDII---COLGVONENQATGO 235
htir3 118 ---AKAG---SRDIAAYCNVTOVOP---RVIAVIGPDSINRPAHTALISPLMAISTASSETISVROIPSHRPIA---DKYOVETWILHONFGVMTISLVGSSDII---COLGVONENQATGO 234
rtir3 118 ---AKVQ---SOSIAAYCNVTOVOP---RVIAVIGPDSINRPAHTALISPLMAISTASSETISVROIPSHRPIA---DKYOVETWILHONFGVMTISLVGSSDII---COLGVONENQATGO 234
mGluR1 124 ---RDSLSIRDEVCNRLCPDGOGLH---GRTKKPIAGVIGPSSSVI---QVOLLQIEDIQAISATISILSDNTLYKLELMESDITLQARMLDIVKRYNTVTSVAVTEGNGFESMDKEKELPAOE 252
htir1 237 ---ICIAEGIMPSAOG---DER---MCLMBLHNG---AGETWAFSSROLANVETESWITINHGQANA---SEANLSRHITGVGRIORIMIGVATQRAVPELKAFFAYAR---ADKVAIRPCHK 354
rtir1 236 ---IOWATQIUPFSARVQ---DER---MCLMBLHNG---ARTINAAVFSNRILARVETRSWIDANLGNANA---SEANLSRHITGVGRIORIMIGVATQRAVPELKAFFAYAR---ADKVAIRPCHK 353
htir2 232 ---ICIAFOETIPLONONMTSEKORLTVIVDQLOQ---STARAAVAFSPDLTHIEFNEMLRONETGAVANTA---SESWAIDPVHLNTHIEGHIGIFELTICQSVPTPGFSEPREMGPO---AGHPPLSRISQ 355
rtir2 236 ---ICIAFOEVILPPESSOVNRSEFOROLDNIIIDKIRR---TSARAAVAFSPDLTHIEFNEMLRONETGAVANTA---SESWAIDPVHLNTHIEGHIGIFELTICQSVPTPGFSEPREMGPO---AGHPPLSRISQ 355
htir3 235 ---ICIAEGIMELPRADD---SRUGKVQDWHOVNQ---SSVQMLTIFASVHAHALENYSISSRISPKVANA---SEANLSRHITGVGRIORIMIGVATQRAVPELKAFFAYAR---ADKVAIRPCHK 355
rtir3 235 ---ICIAEGIMPHDTSQ---OOLGKVVDVIROVNQ---SKVQVALLFASARAVSISYSIIFHILSPKANA---SEANLSRHITGVGRIORIMIGVATQRAVPELKAFFAYAR---ADKVAIRPCHK 355
mGluR1 253 ---LOIANSCKIYSMAEK---SFDRLKRIERLIPARAVVITCEGNTVRQILSAMRPLGVVGEFSLIGSDGIAORDDEMEIEGVEANGIT---IKIOPSEVRSDDUFLKRLDNTNRNHEPEFWQ 373
htir1 355 ---G---SWCSNOIOPREOAFMAHTMPKAFS---MSSAMVAPATVAVAHGLHQLIGCA---SCAOSR---GRVAPPAOILFQILKMHFL---LHKOTVAFNDNRPLSSNTHIANDNCPKW---TFTVL 466
rtir1 354 ---G---SWCSNOIOPREOAFMAHTMPKAFS---MSSAMVAPATVAVAHGLHQLIGCA---SCAOSR---GRVAPPAOILFQILKMHFL---LHKOTVAFNDNRPLSSNTHIANDNCPKW---TFTVL 465
htir2 356 ---S---YTO---VODODNANALISFNTIILISG---ERWMSVSAVAVAHALHSLIGOD---KSTCTK---RWAPPAOILFQILKMHFL---LHKOTVAFNDNRPLSSNTHIANDNCPKW---TFTVL 465
rtir2 360 ---R---TTO---VODODNANALISFNTIILISG---ERWMSVSAVAVAHALHSLIGOD---KSTCTK---RWAPPAOILFQILKMHFL---LHKOTVAFNDNRPLSSNTHIANDNCPKW---TFTVL 469
htir3 356 ---EREQGLEEDVVGPOPOQDCITIQVVSAGLN---HHOTFSWAAYVSAVQAHERVILQCI---ASGCPAQDPVAPPAOILFQILKMHFL---LHKOTVAFNDNRPLSSNTHIANDNCPKW---TFTVL 471
rtir3 355 ---AELDEERVNGPQSQDYIMQNLSSGIMONLSAGOLHHCIFATVAAVYSVQAHERVILQCI---VSHCHTSEPVAPPAOILFQILKMHFL---LHKOTVAFNDNRPLSSNTHIANDNCPKW---TFTVL 478
mGluR1 374 ---HR---FQCLPGLHLEAPNPKVKVCTGNESEENYVQ---PSKMGJINATVAMELGIONVHHALCPGHVIGIDAMNHDICRMLHDFLIKSSGVGVSEFMEIEGVEANGIT---IKIOPSEVRSDDUFLKRLDNTNRNHEPEFWQ 497

TO FIG. 1B

FIG. 1A

FROM FIG. 1A



hTIR1 467 GSSTWSPVQIINENKIQWGHKDVQVRKSVCSSTCTPHOR-VIIGFHCCFECFQAGGHTIA-KSDLYRCORCKEFAPESSQTCPPRMETALREHTSMWIAANTIIILITLCTAGLIFAMIIIT 594
 rTIR1 466 CSASLSPVHIDUNKIQHGNNOVPVSQITDCTACHP-VAGSHCCFCHCFOPAGHTIA-MSELHICOPGTEWAKESTICPPRMETALREHTSMWIAANTIIILITLCTAGLIFAMIIIT 593
 hTIR2 466 ASYPLQROIKN-ITDLSHETANNITPSCNCRCCSONA-KPVGILVCCFCHCFOPAGHTIA-KSDLYRCORCKEFAPESSQTCPPRMETALREHTSMWIAANTIIILITLCTAGLIFAMIIIT 593
 rTIR2 470 ASISPTSKRUTY-INNVSMHTPNNMIPVSMCKSCCPGOM-KSVGLHPCFCHCFOPAGHTIA-KSDLYRCORCKEFAPESSQTCPPRMETALREHTSMWIAANTIIILITLCTAGLIFAMIIIT 597
 hTIR3 472 GFEN-GSLRTER--LQIMHETSDNOKPVRKSRQCPGOMR-RVKGHSCQVDVIDEASSIRO-NPDDIAOTFCODESPPESTRCHRRSGREFAWGEPAVITIIILITLCTAGLIFAMIIIT 596
 rTIR3 479 GFEN-CTIQIQH--SQMVAPG--NOVRVSCSRQCKDQOMR-RVKGHSCQVDVIDEASSIRO-NPDDIAOTFCODESPPESTRCHRRSGREFAWGEPAVITIIILITLCTAGLIFAMIIIT 601
 mGluR1 498 GTWH--EGVINDDDKIQWANK--SGMVRSCSPCHKQGLVIRKGVSCVITQPAKENEHVO--DETQRAQDILGMPNABILCCCHPIRKYRLNSDIESIIATFSCQGLITFVTHLITLCTAGLIFAMIIIT 620
 hTIR1 595 PARSAGRLCFIMIGSUAAGSGSLYGHFFCPTRPACILIRONAFNIGFHTFISQIVARSQOLIITIKFSKMPPTFPHAVONFQAGTFAM-TSSAAGIITICITLITVAVVTRIPA-REYORRHITVITFCTE 722
 rTIR1 594 PARSAGRLCFIMIGSUAAGSGSLYGHFFCPTRPACILIRONAFNIGFHTFISQIVARSQOLIITIKFSKMPPTFPHAVONFQAGTFAM-TSSAAGIITICITLITVAVVTRIPA-REYORRHITVITFCTE 721
 hTIR2 594 PARSAGRLCFIMIGSUAAGSGSLYGHFFCPTRPACILIRONAFNIGFHTFISQIVARSQOLIITIKFSKMPPTFPHAVONFQAGTFAM-TSSAAGIITICITLITVAVVTRIPA-REYORRHITVITFCTE 721
 rTIR2 598 PARSAGRLCFIMIGSUAAGSGSLYGHFFCPTRPACILIRONAFNIGFHTFISQIVARSQOLIITIKFSKMPPTFPHAVONFQAGTFAM-TSSAAGIITICITLITVAVVTRIPA-REYORRHITVITFCTE 726
 hTIR3 597 PARSAGRLCFIMIGSUAAGSGSLYGHFFCPTRPACILIRONAFNIGFHTFISQIVARSQOLIITIKFSKMPPTFPHAVONFQAGTFAM-TSSAAGIITICITLITVAVVTRIPA-REYORRHITVITFCTE 724
 rTIR3 602 PARSAGRLCFIMIGSUAAGSGSLYGHFFCPTRPACILIRONAFNIGFHTFISQIVARSQOLIITIKFSKMPPTFPHAVONFQAGTFAM-TSSAAGIITICITLITVAVVTRIPA-REYORRHITVITFCTE 729
 mGluR1 621 PARSAGRLCFIMIGSUAAGSGSLYGHFFCPTRPACILIRONAFNIGFHTFISQIVARSQOLIITIKFSKMPPTFPHAVONFQAGTFAM-TSSAAGIITICITLITVAVVTRIPA-REYORRHITVITFCTE 748
 hTIR1 723 TNSIGTIDAFPLNGHISLSAFACSILGQDLPENVEAKOMTSLLENFMSWIAEHTITASWIDGNTIPANNMACISSSGFGCGVHPKQWIECRPDJASTEFQASTODVTRCGST----- 841
 rTIR1 722 VASVGNELATHTNITLSITFVCSGLGGTLPENVEAKOMTSLLENFMSWIAEHTITASWIDGNTIPANNMACISSSGFGCGVHPKQWIECRPDJASTODVTRCGST----- 840
 hTIR2 723 NYRNSHIFWTSLDLILSVGCSFPMGGLPYNVEAKOMTSLLENFMSWIAEHTITASWIDGNTIPANNMACISSSGFGCGVHPKQWIECRPDJASTODVTRCGST----- 839
 rTIR2 727 NYRNGHIFWTSMDLILSVGCSFPMGGLPYNVEAKOMTSLLENFMSWIAEHTITASWIDGNTIPANNMACISSSGFGCGVHPKQWIECRPDJASTODVTRCGST----- 843
 hTIR3 725 RSMVSGHIAATVATIAFICELGTELVRSQGRNARGITFAMINFTIIVWSFVELLANQWMLRPAVQVCALEHCVLGHTAAFTIFECYLLMRQFGLNITFEFFLGGGPDQAQGDGDN-TGNQCKHE 852
 rTIR3 730 RSMVSGHIAATVATIAFICELGTELVRSQGRNARGITFAMINFTIIVWSFVELLANQWMLRPAVQVCALEHCVLGHTAAFTIFECYLLMRQFGLNITFEFFLGGGPDQAQGDGDN-TGNQCKHE 858
 mGluR1 749 SGLQVAPVGNAGIETINSOTVYVAKTRNVPAENFNEAKVATFTMYTQILITAEVLYFGSN--KTLITCFVASTSVTVACCTETPMYITIAKPERI----- 845

FIG. 1B